

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of: Jeffrey Browning et al.

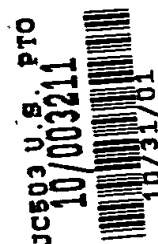
Examiner: Unassigned

Serial No.: Not yet assigned

Group Art Unit: Unassigned

Filing Date: On even date herewith

For: Soluble Lymphotoxin-Beta Receptors And Anti-Lymphotoxin Receptor And
Ligand Antibodies As Therapeutic Agents For The Treatment Of Immunological
Diseases



CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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31 October 2001
Date

Patricia Hofstetter
Patricia Hofstetter

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

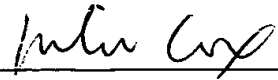
Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/299,139 filed on April 23, 1999. References AA – CCD were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application. A copy of form PTO-1449 submitted in the prior application is submitted herewith.

This statement is not to be interpreted as a representation that the cited references are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any reference herein be construed per se as a representation that such reference is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited references.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account Number 02-2327.

Respectfully submitted,

Date: 10-31-01



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Copies of references were filed with the parent case, S/N 09/299,139, and can be found with that file.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)
A013

Application Number
09/299,139

Applicant(s)
Browning et al.

Filing Date
April 23, 1999

Group Art Unit
not yet assigned

U.S. PATENT DOCUMENTS

XAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,225,538	07/06/93	Capon et al.			12/16/91
	AB	4,816,567	03/28/89	Cabilly, S., et al.			04/08/83
	AC	4,485,045	11/27/84	Regen, S.			05/26/82
	AD	4,544,545	10/01/85	Ryan, P., et al.			06/20/83

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	BA	WO 94/046679	03/03/94					
	BB	WO 97/03678	02/06/97					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	Alimzhanov et al., 1997, Proc. Natl. Acad. Sci., 94:9302-9307, "Abnormal development of secondary lymphoid tissues in lymphotoxin Beta-deficient mice"
CB	Androlewicz et al., 1992, J. of Biol. Chem., 267:2542-2547, "Lymphotoxin Is Expressed as a Heteromeric Complex with a Distinct 33-kDa Glycoprotein on the Surface of an Activated Human T Cell Hybridoma"

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional)	Application Number
		A01.	09/299,139
		Applicant(s) Browning et al.	
		Filing Date	Group Art Unit
		April 23, 1999	
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
CC	Arulanandam et al., 1993, J. Exp. Med., 177:1439-1450, "A Soluble Multimeric Recombinant CD2 Protein Identified CD48 As A Low Affinity Ligand for Human CD2: Divergence of CD2 Ligands During The Evolution of Humans and Mice"		
CD	Banks et al., 1995, J. of Immunol. 155:1687-1693, "Lymphotoxin-Alpha-Deficient Mice"		
CE	Barnetson et al., 1993, Mosby-Year Book Europe Ltd., 22.1-22.12, "Hypersensitivity-Type I V"		
CF	Briskin et al., 1993, Nature, 363:461-464, "MAdCAM-1 Has Homology TO Immunoglobulin And Mucin-Like Adhesion Receptors And TO IgA1"		
CG	Browning J., Androlewicz, M. et al., 1991, J. of Immunol. 147:1230-1237, "Lymphotoxin And An Associated 33-kDa Glycoprotein Are Expressed On the Surface Of An Activated Human T Cell Hybridoma"		
CH	Browning J., Douglas, I., et al., 1995, American Association of Immunol., 33-46, "Characterization of Surface Lymphotoxin Forms"		
CI	Browning, J., Ngam-ek, A., et al., 1993, 73:847-856, "Lymphotoxin-Beta, A Novel Member of the TNF Family That Forms a Heteromeric Complex With Lymphotoxin On the Cell Surface"		
CJ	Cavert, W. et al., 1997, 276:960-964, "Kinetics of Response in Lymphoid Tissues to Antiretroviral Therapy of HIV-1 Infection"		
CK	Chen, C. et al., 1995, Trends in Biol. Sci., 20:465-470, "AU-rich Elements: Characterization and Importance In mRNA Degradation"		
CL	Crowe, P. et al., 1994, Science, 264:707-710, "A Lymphotoxin-Beta-Specific Receptor"		
CM	DeTongi, P. et al., 1994, Science, 264:703-706, "Abnormal Development Of PERipheral Lymphoid Organs in Mice Deficient in Lymphotoxin"		
CN	Dijkstra et al., 1985, Immunology, 55:23-30, "Marginal Zone Macrophages Identified BY A Monoclonal Antibody: Characterization of Immuno-and Enzyme-Histochemical Properties and Functional Capacities"		
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A01	09/299,139
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Browning et al.	
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April 23, 1999	

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 10/003211
 10731701

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
CO	Duzgunesa et al., Q514:77, "Liposome Targeting TO HIV-Infected Cells Via Recombinant Soluble CD4 And CD4-IgG (Immunoadhesin)"
CP	Endres et al., 1999, J. of Med., 189:159-167, "Mature Follicular Dendritic Cell Networks Depend on Expression Of Lymphotoxin Beta Receptor By Radioresistant Stromal Cells And Of Lymphotoxin Beta And Tumor Necrosis Factor By B Cells"
CQ	Eppstein et al., 1985, Proc. Natl. Acad. Sci., 82:3688-3692, "Biological Activity Of Liposome-Encapsulated Murine Interferon Gamma Is Mediated By A Cell Membrane Receptor"
CR	Erickson et al., 1994, Nature, 372:560-563, "Decreased Sensitivity To Tumour-Necrosis Factor But Normal T-cell Development in TNF Receptor-2-Deficient Mice"
CS	Ettinger et al., 1996, Proc. Natl. Acad., 93:13102-13107, "Disrupted Splenic Architecture, But Normal Lymph Node Development In Mice Expressing A Soluble Lymphotoxin-Beta Receptor-IgG1 Fusion Protein"
CT	Fitch et al., 1993, Annu. Rev. Immunol., 11:29-48, "Differential Regulation Of Murine Lymphocyte Subsets"
CU	Force et al., 1995, American Association of Immunol., 5280-5288, "Mouse Lymphotoxin-Beta Receptor"
CV	Foy et al., 1994, J. Exp. Med., 180:157-163, "gp39-CD40 Interactions Are Essential For Germinal Center Formation and the Development of B Cell Memory"
CW	Fu, Chaplin, et al., 1999, Annu. Rev. Immunol., 17:399-433, "Development and Maturation of Secondary Lymphoid Tissues"
CX	Fu, Huang, et al., 1998, J. Exp. Med., 187:1009-1018, "B Lymphocytes Induce the Formation of Follicular Dendritic Cell Clusters in a Lymphotoxin-Alpha-Dependent Fashion"
CY	Fu, Molina, et al., 1997, J. Exp. Med., 185:2111-2120, Lymphotoxin-Alpha (LTa) Supports Development of Splenic Follicular Structure That Is Required for IgG Responses"
CZ	Futterer et al., 1998, Immunity, 9:59-70, "The Lymphotoxin Beta Receptor Controls Organogenesis and Affinity Maturation in Peripheral Lymphoid Tissues"

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CAA

Gonzalez et al., 1998, J. Exp. Med., 187:997-1007, "The Sequential Role of Lymphotoxin and B Cells in the Development of Splenic Follicles"

CAB

Han et al., 1995, American Association of Immunol., 556-567, "Cellular Interaction in Germinal Centers"

CAC

Heath et al., 1995, Nature, 377:740-744, "Follicular Dendritic Cells And Human Immunodeficiency Virus Infectivity"

CAD

Hwang et al., 1980, Proc. Natl. Acad., 77:4030-4034, "Hepatic Uptake And Degradation of Unilamellar Sphingomyelin/Cholesterol Liposomes: A Kinetic Study"

CAE

Kraal, Gerooge, 1992, Academic Press, 132:31-74, "Cells In the Marginal Zone of the Spleen"

CAF

Kraal and Janse, 1986, Immunology, 58:665-669, "Marginal Metallophilic Cells Of the Mouse Spleen Identified By a Monoclonal Antibody"

CAG

Kraal, Rodrigues, et al., 1989, Immunology, 68:227-232, "Lymphocyte Migration in the Spleen: the Effect of Macrophage Elimination"

CAH

Kraal, Schornagel, et al., 1995, American Journal of Pathology, 147:763-771, "Expression of the Mucosal Vascular Addressin, MAdCAM-1, on Sinus-Lining Cells in the Spleen"

CAI

Kratz et al., 1996, J. Exp. Med., 183:1461-1472, "Chronic Inflammation Caused by Lymphotoxin Is Lymphoid Neogenesis"

CAJ

Laman et al., 1996, Critical Reviews in Immunol., 16:59-108, "Functions of CD40 and Its Ligand, gp39 (CD40L)"

CAK

Lane et al., 1992, Eur. J. Immunol., 22:2573-2578, "Activated human T cells express a ligand for the human B cell-associated antigen CD40 which participates in T cell -dependent activation of B lymphocytes"

CAL

Langer, 1982, Chemtech, February, 98-105, "Controlled release of macromolecules"

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

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A01

Application Number

09/299,139

Applicant(s)

Browning et al.

Filing Date

April 23, 1999

Group Art Unit

10/31/01

10/003211

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
CAM	Langer, Brem, et al., 1981, J. of Biomed. Materials, 15:267-277, "Biocompatibility of polymeric delivery systems for macromolecules"
CAN	Le Hir, et al., 1996, J. Exp. Med., 183:2367-2372, "Differentiation of Follicular Dendritic Cells and Full Antibody Responses Require Tumor Necrosis Factor Receptor-1 Signaling"
CAP	Mackay et al., 1997, Eur. J. Immunol., 27:2033-2042, "Lymphotoxin but not tumor necrosis factor functions to maintain splenic architecture and humoral responsiveness in adult mice"
CAQ	MacLennan et al., 1993, Blackwell Scientific Publications, 5:13-30, "The Structure and Function of Secondary Lymphoid Tissue"
CAR	Maeda et al., 1992, J. of Immunol., 148:2340-2347, "Murine Follicular Dendritic Cells and Low Affinity Fc Receptors For IgE (FcεRII)1"
CAS	Male et al., 1993, Mosby-Year Book Europe, 3rd ed., 1:1.1-1.12, "Introduction to the Immune System"
CAT	Matsumoto, Chaplin, et al., 1997, Immunol. Reviews, 156:137-144, "Lymphotoxin-alpha-deficient and TNF receptor-1-deficient mice define developmental and functional characteristics of germinal centers"
CAU	Matsumoto, Huang, et al., 1997, J. Exp. Med., 186:1997-2004, "Distinct Roles of Lymphotoxin alpha and the Type 1 Tumor Necrosis Factor (TNF) Receptor in the Establishment of Follicular Dendritic Cells from Non-Bone Marrow-derived Cells"
CAV	Matsumoto, Lo, et al., 1996, Nature, 382:462-466, "Affinity maturation without germinal centres in lymphotoxin-alpha-deficient mice"
CAW	Matsumoto, Mariathasan, et al., 1996, Science, 271:1289-1291, "Role of Lymphotoxin and the Type 1 THNF Receptor in the Formation of Germinal Centers"
CAX	Miller et al., 1993, J. Exp. Med., 178:211-222, "Specific Interaction of Lymphocyte Function-associated Antigen 3 with CD2 Can Inhibit T Cell Responses"
CAY	Mohan et al., 1995, J. of Immunol., 154:1470-1480, "Interaction Between CD40 and Its Ligand gp39 in the Development of Murine Lupus Nephritis1"

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INFORMATION DISCLOSURE CITATION

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Docket Number (Option

A013

Application Number

09/299,139

Applicant(s)

Browning et al.

Filing Date

April 23, 1999

Group Art Unit

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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
CAZ	Morrison et al., 1992, Annu. Rev. Immunol., 10:239-265, "In Vitro Antibodies: Strategies for Production and Application"
CBA	Morrison, Johnson, et al., 1984, Proc. Natl. Acad. Sci., 81:6851-6855, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains"
CBB	Nakache et al., 1989, Nature, 337:179-181, "The mucosal vascular addressin is a tissue-specific endothelial cell adhesion molecule for circulating lymphocytes"
CBC	Neumann et al., 1996, J. Exp. Med., 184:259-264, "Defective Peyer's Patch Organogenesis in Mice Lacking the 55-kD Receptor for Tumor Necrosis Factor"
CBD	Pfeffer et al., 1993, Cell, 73:457-467, "Mice Deficient for the 55 kd Tumor Necrosis Factor Receptor Are Resistant to Endotoxic Shock, yet Succumb to L. monocytogenes Infection"
CBE	Picarella et al., 1992, Proc. Natl. Acad. Sci., 89:10036-10040, "Insulinitis in transgenic mice expressing tumor necrosis factor Beta (lymphotoxin) in the pancreas"
CBF	Pickar et al., 1992, Annu. Rev. Immunol., 10:561-591, "Physiological and Molecular Mechanisms of Lymphocyte Homing"
CBG	Powell et al., 1995, Trends in Microbiology, 3:81-88, "The antiviral effects of nitric oxide"
CBH	Queen et al., 1989, Proc. Natl. Acad. Sci., 86:10029-10033, "A humanized antibody that binds to the interleukin 2 receptor"
CBI	Rennert et al., 1996, J. Exp. Med., 184:1999-2006, "Surface Lymphotoxin alpha/beta complex Is Required for the Development of Peripheral Lymphoid Organs"
CBJ	Robert et al., 1998, Nature, 395:26-27, "Turning off Follicular Dendritic Cells"
CBK	Romagnani et al., 1994, Annu. Rev. Immunol., 12:227-257, "Lymphokine Production By Human T Cells In Disease States"

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Docket Number (Optional)

A01.

Application Number

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Applicant(s)

Browning et al.

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Group Art Unit

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10/003211

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	CBL	Rothe et al., 1993, Nature, 364:198-802, "Mice lacking the tumour necrosis factor receptor 1 are resistant to TNF-mediated toxicity but highly susceptible to infection by <i>Listeria monocytogenes</i> "
	CBM	Schriever et al., 1992, Advanced in Immunol., 51:243-285, "The Central Role of Follicular Dendritic Cells in Lymphoid Tissues"
	CBN	Selmaj et al., 1991, Amer. Society of Clinical Investigation, 87:949-954, "Identification of Lymphotoxin and Tumor Necrosis Factor in Multiple Sclerosis Lesions"
	CBO	Sidman et al., 1983, Biopolymers, 22:547-556, "Controlled Release of Macromolecules and Pharmaceuticals from Synthetic Polypeptides Based on Glutamic Acid"
	CBP	Smith, Davis et al., 1990, Science, 248:1019-1023, "A Receptor for RTumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins"
	CBQ	Smith, Farrah et al., 1994, Cell, 76:959-962, "The TNF Receptor Superfamily of Cellular and Viral Proteins: Activation, Costimulation, and Death"
	CBR	Tartaglia et al., 1992, Immunology Today, 13:151-153, "Two TNF receptors"
	CBS	Tew et al., 1990, Immunol. Reviews, 117:185-211, "Follicular Dendric Cells as Accessory Cells"
	CBT	Tibbetts et al., 1994, J. of Immunol., 152:1493-1499, " Cardiac Antigen-Specific Autoantibody Production is Associated with Cardiomyopathy in <i>Trypanosoma cruzi</i> -infected mice"
	CBU	Toellner et al., 1996, J. Exp. Med., 183:2303-2312, "Immunoglobulin Switch Transcript Production In Vivo Related to the Site and Time of Antigen-specific B Cell Activation"
	CBV	Traunecker et al., 1989, Nature, 339:68-70, "Highly efficient neutralization of HIV with recombinant CD4-immunoglobulin molecules"
	CBW	Van Kooten et al., 1996, Advanced in Immunol., 61:1-77, "CD40-CD40 Ligand: A Multifunctional Receptor-Ligand Pair"

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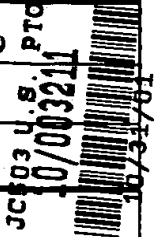
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CBX	Van Vliet et al., 1986, Cytochem, 34:883-890, "Reticular Fibroblasts in Peripheral Lymphoid Organs Identified by a Monoclonal Antibody"	
CBY	Ware et al., 1995, Pathways for Cytolysis, Current Topics Microbiol. Immunol., pps.75-218 "The Ligands and Receptors of the Lymphotoxin System"	
CBZ	Winter and Milstein, 1991, Nature, 349:293-299, "Man-Made Antibodies"	
CCA	Wu et al., 1999, J. Exp. Med., 190:629-638, "The Requirement of Membrane Lymphotoxin for the Presence of Dendritic Cells in Lymphoid Tissues"	
CCB	Kohn et al., 1990, Proc. Natl. Acad. Sci., 87:8331-8335, "A Second Tumor Necrosis Factor Receptor Gene Product Can Shed A Naturally Occurring Tumor Necrosis Factor Inhibitor"	
CCC	Gyorfy et al., 1996, Eur. Cytokine Netw., 7:167, "Alteration of the THNF Sensitivity And Membrane Viscosity Of Target Cells"	
CCD	Goodwin et al., 1993, Cell, 73:447-456, "Molecular and Biological Characterization of a Ligand for CD27 Defines a New Family of Cytokines with Homology to Tumor Necrosis Factor"	

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